Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	11/24/2017 11:02 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126117	0	1.17	125984	1.17
Blue	F	SSC	125000	123622	-2	2.54	123951	2.30
Blue	E	FITC	23615	22819	-4	2.36	1012	10.60
Blue	D	PE	26739	26279	-2	1.85	943	9.90
Blue	B	PerCP-Cy5-5	48339	47311	-3	3.29	1365	16.88
Blue	A	PE-Cy7	45021	44140	-2	4.99	676	36.70
Red	C	APC	53064	52140	-2	2.75	3019	9.47
Red	A	APC-Cy7	57175	56316	-2	2.72	1165	11.37
Violet	B	V450	14728	14024	-5	5.77	674	10.09
Violet	A	V500	58621	56215	-5	5.63	2486	7.76

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20058	2.27	611	-3	N/A	N/A	Pass
Blue	F	SSC	61127	1.45	546	0	N/A	N/A	Pass
Blue	E	FITC	115	39.65	546	-2	0.0193	149	Pass
Blue	D	PE	209	29.46	536	0	0.1589	259	Pass
Blue	B	PerCP-Cy5-5	213	45.69	634	-1	0.0101	123	Pass
Blue	A	PE-Cy7	73	121.30	692	-1	0.0111	11	Pass
Red	C	APC	349	27.95	596	-1	0.0201	73	Pass
Red	A	APC-Cy7	128	40.81	580	0	0.0053	1541	Pass
Violet	B	V450	82	43.80	465	-5	0.0444	2052	Pass
Violet	A	V500	183	24.21	492	-5	0.0137	600	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	11/24/2017 11:02 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-31.68	-31.12	0.94
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.34
Red	18.55	14.40 - 21.60	N/A	N/A	30.83	31.35	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 12032

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments